

3.5"/5.25" Controller Card Installation Instructions

Introduction

The 3.5"/5.25" Controller Card (CC) allows you to connect a 3.5" or 5.25" drive to either of its connectors when installed in an Apple][Plus, //e or IIGS. Installation is simple but follow the instructions carefully to avoid harming the card or your computer.

- ❖ *Note:* You cannot daisy-chain drives connected to the Controller Card even if these drives have daisy-chain connectors.

Installation

- ❖ **Warning:** Never attempt to remove or insert cards in any slot of the Apple //e while the power is turned on. Doing so could cause damage to both the Apple motherboard and the card.

- 1) Turn the power to the computer OFF.**
- 2) Remove the lid of the computer.**
- 3) Touch the power supply.**

This removes any static electricity from your body. This is important. *Static electricity can damage the cards and the motherboard.*

- 4) Unscrew the hex nuts.**

Using the included hex wrench, remove the hex nuts from both of the mounting plates.

- 5) Attach the two mounting plates to the computer's back panel.**

From inside the computer case, hold one of the mounting plates up to one of the available holes in the computer's back panel. (You may need to remove the plastic cover from the hole.)

Secure the mounting plate to the Apple's back panel with the two hex screws coming from the outside..

Repeat for the other cable.

- 6) Install the controller card in any of the slots 1-7 of the computer.**

If you're replacing a 5.25" controller card, place the CC in slot 6.

Apple IIGS's set to "Scan" in the Startup Slot option of the Control Panel and *enhanced* //e's will try to boot from the CC's drives if the CC is in a higher numbered slot than other bootable devices.

Therefore, if you have the CC in slot 7 with a bootable disk installed and a standard controller card, RamFactor or Vulcan controller card in slot 6, the drive will boot from the CC's drive. However, if you remove the bootable disk, the computer will check the CC's drives and then boot from the bootable device in the next highest slot (e.g. standard controller card's drive, RamFactor or Vulcan).

- 7) **Connect the cable(s) coming from the 3.5" or 5.25" drive to the connector(s) you mounted in the back panel.**

The top cable coming from the CC should go to Drive 1.

- 8) **Replace the computers lid.**

- ❖ *Note:* If you've installed the CC into slot 6 of the IIGS you need to set Slot 6 of the Control Panel's "Slots" option to "your card." Boot the computer and then enter the Control Panel by pressing Open Apple-Control-Esc, select the Slots options and then set "Slot 6" to "your card."

Installation is complete. Congratulations!

Limited Warranty and Disclaimer

Applied Engineering warrants the 3.5"/5.25" Controller Card purchased from Applied Engineering against defects in material and workmanship for a period of 1 year from the date of original retail purchase. Any misuse, abuse, or non-AE authorized alteration, modification and/or repair to the Applied Engineering product will void the warranty. This warranty will also be void if you use the AE product for any other purpose than its intended use. If you discover a defect, Applied Engineering will, at its option, repair or replace only the Applied Engineering product, provided you return the product during the warranty period, transportation prepaid, to Applied Engineering.

This warranty applies to the original retail purchaser only. Therefore, please include a copy of the original invoice or a small service charge may be applied. If the product is to be sent to Applied Engineering by mail, the purchaser will insure the package or assume full responsibility for loss or damage during shipping. Prior to returning the product for warranty consideration, call Applied Engineering Technical Support for a Return Material Authorization (RMA) number and shipping instructions.

In no event will Applied Engineering be liable for loss or damages of any kind caused either directly or indirectly by the use or possession of its products, even if advised of the possibility of such damages. **The Applied Engineering Warranty is for the Applied Engineering Product itself.** In particular, Applied Engineering shall have no liability for any other equipment used in conjunction with Applied Engineering products nor for programs or data stored in or used with Applied Engineering products, including the costs of recovering such equipment, programs, or data.

The warranty and remedies set forth above are exclusive and in lieu of all others, oral or written, express or implied. No Applied Engineering dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Warning!

Do not connect or disconnect disk drives while power is ON.

You could seriously damage the drive, the computer or both.

Such damage is not covered under warranty.

Attention!

Return Merchandise Sheet

(Remove from Manual and Save)

In order to obtain the maximum benefits from your investment, please read your user manual first to fully understand your product's capabilities. If you feel you still need technical assistance or suspect you have a defective product, please contact the dealer from whom you purchased the card. If you are experiencing difficulties with one particular program, contact the program's author or publisher.

In the event that the dealer or the software publisher's support personnel cannot answer your question, call Applied Engineering Technical Support. Please provide Technical Support with the following information:

- ◇ The Applied Engineering product related to your question and its revision number
- ◇ The original and current memory configuration of the card (if applicable)
- ◇ The model and revision of your computer
- ◇ What peripherals are being used and what cards are in each slot
- ◇ The name, version, and revision level of the software with which you are experiencing problems
- ◇ The results of any test programs, diagnostics, or troubleshooting done by you, your dealer, or your software publisher's support department

If an AE technician determines that the product needs to be returned, you will receive a Return Material Authorization (RMA) number. Once the RMA# has been issued, please complete the form on the back of this page and send it along with the defective product and a copy of your original invoice to:

RMA# _____
Applied Engineering
Technical Support
3210 Belt Line Road, Suite 154
Dallas, TX 75234

The returned product may be subject to a service charge if:

- 1) it is sent to technical support without an invoice,
- 2) our test results show that the product is not defective,
- 3) the product is not in its original AE memory configuration.

Applied Engineering

Technical Support

Voice Lines-

Mac/Amiga (214) 241-6084

Apple II (214) 241-6069

9 AM to 12:30 PM & 1:35 PM to 5 PM(CST) Monday through Friday

Bulletin Board System - (214) 241-6677

300/1200/2400 baud 8 Bit, No Parity, Full Duplex, MNP-5

24 Hours, 7 Days a Week

Return Form

Return Address:

Daytime Phone:

RMA# _____
Applied Engineering
Technical Support
3210 Belt Line Road, Suite 154
Dallas, TX 75234

↑
cut out and tape or glue to package

Computer Model

- ☐ Amiga _____
- ☐ Apple II _____ IIGS ROM # _____
- ☐ Macintosh _____
- ☐ Other _____

Peripherals:

- ☐ Monitor _____
- ☐ Printer _____
- ☐ Modem _____
- ☐ Cards & Slot Positions _____
- _____
- _____

Symptoms:

Description of Software (system, application, version, enhancements, etc.):

Steps to Duplicate Problem: (IIGS users include slot settings)

Applied Engineering Product Registration Card

Applied Engineering congratulates you on your purchase of one of our enhancement products. With proper installation and care, your AE enhancement product will provide you with years of trouble-free operation.

So that we may handle your product for any service needs or upgrade offers, please:

- 1) Complete this side of your Registration Card.
- 2) Attach your invoice or bill of sale to the upper portion.
- 3) Keep the top portion for your records.
- 4) Return the bottom portion to Applied Engineering. (Requires postcard stamp.)

AE Product _____


Serial Number (if applicable) _____ Date of Purchase _____

Dealer's Name and Address _____

Applied Engineering
P.O. Box 5100
Carrollton, TX 75011

Sales - (214) 241-6060

Tech Support - Voice - Mac/Amiga (214) 241-6084 / Apple II (214) 241-6069
BBS (214) 241-6677

Detach Here 

Applied Engineering Product Registration Card

To our valued customer-
Please complete and mail as soon as possible.

AE Product Name _____

Serial Number (if applicable) _____ Date of Purchase _____

Your Name _____

Address _____

City _____ State _____

Zip _____ Telephone: Home () _____ - _____ Business () _____ - _____

Computer Model _____ Other Computers _____

Purchased From _____

Address _____

Important: Proof of purchase is required when requesting service under warranty.
See the warranty procedure for additional information.

Applied Engineering Limited Warranty

Your new Applied Engineering enhancement product is warranted to the original retail purchaser only. The warranty on your product is detailed in your User's Manual Warranty and Disclaimer page.

Warranty Procedure


Your Product Registration Card should be filled out and mailed to Applied Engineering as soon as possible after the original purchase date. Keep the owner's portion together with your invoice or Bill of Sale for Warranty service (also applies to upgrade offers).

Should you experience a problem requiring technical assistance, please contact our Technical Service Department. See the included Return Merchandise Sheet for more information about the returns procedure.

In the event that warranty service is required, send your product together with your invoice or Bill of Sale (legible photocopy acceptable) along with your completed return form.

Important: To avoid a handling charge, your invoice or Bill of Sale must accompany any product returned for warranty service. Out-of-warranty repair will be subject to a handling charge and/or a service charge.

Ship your equipment in its original carton or equivalent, fully insured and prepaid. Please include (on the return form) a complete description of the equipment used and the problems experienced. If you do not have a return form, provide a complete description of your equipment (computer model, installed peripherals, etc.) and the problems (including software used when problem encountered) in a letter to be shipped with the returned product.

Detach Here 

Attach
Stamp
Here

Applied Engineering
P.O. Box 5100
Carrollton, TX 75011